

HF PFMEA SOFTWARE TOOL

ABSTRACT OF THE DISCLOSURE

5 Methods, computer-readable media, and systems for automatically performing
Human Factors Process Failure Modes and Effects Analysis for a process are provided. At
least one task involved in a process is identified, where the task includes at least one human
activity. The human activity is described using at least one verb. A human error potentially
resulting from the human activity is automatically identified, the human error is related to the
10 verb used in describing the task. A likelihood of occurrence, detection, and correction of the
human error is identified. The severity of the effect of the human error is identified. The
likelihood of occurrence, and the severity of the risk of potential harm is identified. The risk
of potential harm is compared with a risk threshold to identify the appropriateness of
corrective measures.